| Ina | lex of | <sup>r</sup> Claims |  |
|-----|--------|---------------------|--|
|     |        |                     |  |

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10/648,190

10/648,190 Examiner

Hemant Patel

Applicant(s)/Patent under Reexamination

YASUKAWA ET AL.

Art Unit

2614

√ Rejected
= Allowed

- (Through numeral) Cancelled

Restricted

N Non-Elected
I Interference

Appeal

0

Objected

|   |              |               | L        | L            |              |  |              | l        |  |  | L  |   |          |          |          |          |              |  |          |  |          | _        |
|---|--------------|---------------|----------|--------------|--------------|--|--------------|----------|--|--|--|---|----------|----------|----------|----------|--------------|--|----------|--|----------|----------|
| 1 |              |               |          |              |              |  |              |          |  |  |  |   |          | . 1      |          |          |              |  | <u> </u> |  |          |          |
|   | Cla          | im            | <u> </u> |              |              | [  | Date         | }        | _  |  |  |   | Cla      | im       | _        | _        |              | L  | Date     | -  |          |          |
|   | Final        | Original      | 3/20/07  |              |              |  |              |          |  |  |  |   | Final    | Original |          |          |              |  |          |  |          |          |
|   |              |               |          |              |              | _  | _            |          | _  | _  | -  |   |          |          |          |          | _            |  |          |  |          |          |
|   |              | 1             | 1        |              | _            |  | _            | <u> </u> | -  |  |  |   |          | 51<br>52 |          | -        |              |  |          | _  | $\vdash$ |          |
|   |              | 3             | -        | H            | _            | ├  | -            | _        |  |  |  |   |          | 53       | $\dashv$ | -        |              |  | -        |  | $\vdash$ |          |
|   |              | 4             | 1        | -            | _            | <b> </b>   |              | -        |  |  |  | 1 |          | 54       | $\dashv$ | -        |              | _  |          | -  |          |          |
|   |              | 5             | 1        |              |              | -  | -            | ├        | $\vdash$   | _  | -  | } |          | 55       | $\dashv$ | -        | _            |  |          | _  | -        |          |
|   |              |               | 1        | -            | _            | _  | -            | ├        | $\vdash$   |  |  | 1 |          | 56       | $\dashv$ | $\dashv$ | -            |  |          |  | -        |          |
|   |              | <u>6</u><br>7 | 1        | -            |              |  | _            | <u> </u> | -  | -  |  |   |          | 57       | -        | $\dashv$ | _            |  | _        | _  |          | _        |
|   |              | 8             | 1        | -            |              | _  |              |          |  |  | _  | 1 |          | 58       |          | -        |              |  | -        |  |          |          |
|   |              | 9             | 1        |              | _            | ┝  |              | -        | $\vdash$   | -  | _  |   |          | 59       | $\vdash$ |          |              |  |          |  |          |          |
|   |              | 10            | 1        |              | -            | -  | $\vdash$     | $\vdash$ |  | _  | _  |   |          | 60       |          | -        | _            |  | $\vdash$ | $\vdash$   | $\vdash$ |          |
|   |              | 11            | ľ        |              |              | <u> </u>   |              | $\vdash$ |  | _  | _  |   |          | 61       | $\dashv$ | -        |              |  |          | -  | -        | _        |
|   |              | 12            | ⊢        | $\vdash$     | -            |  | -            | $\vdash$ |  | _  |  |   |          | 62       |          |          |              |  |          | -  |          |          |
|   | _            | 13            | ⊢        |              | -            | _  | -            | ┝        |  |  |  |   |          | 63       | -        |          |              | —  |          |  | -        |          |
|   |              | 14            | _        |              | <u> </u>     |  | <u> </u>     |          | -  |  | $\vdash$   |   |          | 64       | $\dashv$ | -        | _            | _  |          | _  |          |          |
|   |              | 15            | -        |              | <u> </u>     |  |              |          | _  | _  |  |   |          | 65       | -        |          |              |  |          |  | Н        |          |
|   | _            | 16            | ├        | $\vdash$     | _            |  | ⊢            |          | -  | _  |  |   |          | 66       |          |          |              | -  | H        |  |          |          |
|   |              | 17            | $\vdash$ | $\vdash$     |              | _  | -            | _        |  |  | -  |   |          | 67       | $\dashv$ | $\dashv$ |              |  | _        |  | -        |          |
|   |              | 18            | H        |              | _            |  | -            | _        |  |  | _  |   |          | 68       | $\dashv$ | $\dashv$ |              | _  |          |  |          |          |
|   |              |               | ┝        | _            |              |  | ⊢            | ├        | <u> </u>   |  | -  |   |          | 69       | -        |          | _            | <u> </u>   | _        |  |          |          |
|   |              | 19<br>20      | H        |              | _            | -  | -            |          |  |  |  |   |          | 70       |          | =        |              |  | -        |  |          |          |
|   |              |               | H        | H            |              | -  | $\vdash$     |          | H  | -  | -  |   |          | 71       |          | $\dashv$ |              | <u> </u>   | ┝        | -  |          |          |
|   |              | 21<br>22      | -        | <u> </u>     |              | -  | $\vdash$     |          | H  | ⊢  | -  |   |          | 72       |          |          |              |  |          | H  |          |          |
|   |              | 23            | ├—       | _            | _            | ├-   | -            |          | -  | <u> </u>   |  |   |          | 73       |          | -        |              | _  |          | <del> </del>                                     |          | _        |
|   |              | 24            | -        | <u> </u>     | _            | <del>                                     </del> | -            |          | ⊢  | <u> </u>   | <del> </del>                                     |   |          | 74       | $\vdash$ | _        | _            |  | -        |  | -        |          |
|   | -            | 25            |          | <u> </u>     |              | <del> </del>                                     | -            |          | ┢  | -  | -  |   |          | 75       | $\dashv$ |          |              | -  |          | -  |          |          |
|   |              | 26            | -        | _            |              | $\vdash$   |              |          | _  |  | $\vdash$   |   |          | 76       | $\dashv$ |          | _            |  | ⊢        |  | $\vdash$ | -        |
|   |              | 27            | -        | _            |              | -  | -            | -        | ┢  | ┢  | $\vdash$   |   |          | 77       | $\dashv$ |          |              | -  | -        | -  |          |          |
|   |              | 28            | -        |              | $\vdash$     | -  | ┢            | -        | $\vdash$   | ⊢  |  |   |          | 78       | $\dashv$ |          |              |  |          | -  |          |          |
|   | <u> </u>     | 29            | ├        |              | $\vdash$     | ⊢  |              | -        | -  | ⊢  | H  |   |          | 79       | -        |          |              |  | ├        | -  | _        | -        |
|   | _            | 30            |          | <u> </u>     | -            | ⊢  | ├            | -        | -  | ┝  |  |   |          | 80       | $\dashv$ |          | _            | -  | -        | -  |          | _        |
|   |              | 31            | ├        |              | -            | -  | -            | _        |  | ├  | H  |   |          | 81       | $\dashv$ |          |              | ┝  |          | <del> </del>                                     |          | -        |
|   | <u> </u>     |               | -        | -            |              | ├—   | -            | -        | ⊢  | ┝  |  |   |          | 82       | -        |          | -            | ⊢  |          | ├  |          |          |
|   |              | 32<br>33      | ├        | ⊢            | ⊢            | ⊢  | -            | -        | ├  | $\vdash$   | H  |   |          | 83       | $\vdash$ |          | _            | <u>.                                    </u>     | ┝        | ├─   | -        | -        |
|   |              | 34            | -        | <del> </del> | $\vdash$     | -  |              | -        | ┢  | ┢  | H  |   |          | 84       | $\vdash$ |          |              |  | -        |  | $\vdash$ | $\vdash$ |
|   |              | 35            | -        | -            | ⊢            | ⊢  |              | -        | ├  | $\vdash$   | $\vdash$   |   |          | 85       |          |          |              | -  | ├        | -  | -        | -        |
|   |              | 36            | -        | ⊢            | ⊢            | ⊢  | -            | -        | ├  | ⊢  | $\vdash$   |   |          | 86       |          |          | -            |  | ┝        | ├─   | $\vdash$ |          |
|   |              | 37            | ├        | $\vdash$     | <del> </del> | ├  | ⊢            | $\vdash$ | H  | _  | -  |   |          | 87       |          |          |              | ┢  | ┢        | ┢  | $\vdash$ |          |
|   |              | 38            | ┢╌       | -            | -            | ┢  |              | -        | ┝  | $\vdash$   | ┢  |   |          | 88       |          |          |              | -  | -        | -  | $\vdash$ |          |
|   |              | 39            | $\vdash$ | $\vdash$     | ├            | $\vdash$   | ┢            | ├-       | -  | -  | $\vdash$   |   |          | 89       |          |          |              | ┢  | -        | $\vdash$   |          |          |
|   |              |               | ╁        | $\vdash$     | ├            | ├  | ⊢            |          | ⊢  |  | ┝  |   |          | 90       |          |          |              | ┢  | $\vdash$ |  | H        | _        |
|   |              | 40            | ├─       | -            | -            | ⊢  |              |          | ├─   | -  | ┢  |   |          | 91       |          |          | _            | ┢  | -        | $\vdash$   |          |          |
|   |              | 41            | ╁        | $\vdash$     | $\vdash$     | $\vdash$   | -            | ├-       | <del>                                     </del> |  | $\vdash$   |   | <u> </u> | 92       | H        |          | -            | $\vdash$   | ├─       | $\vdash$   | H        |          |
|   | <del> </del> | 43            | ├        | $\vdash$     | $\vdash$     | $\vdash$   | H            | $\vdash$ | -  | -  | ┢  |   | -        | 93       | $\dashv$ |          | $\vdash$     | $\vdash$   | $\vdash$ | -  | $\vdash$ |          |
|   | <del> </del> | 44            | ╁        | $\vdash$     | $\vdash$     |  | <del> </del> |          | <del> </del>                                     | <del>                                     </del> | $\vdash$   |   |          | 94       | Н        |          |              | <del>                                     </del> | $\vdash$ | <del>                                     </del> | $\vdash$ | Η.       |
|   |              | 45            | $\vdash$ | -            |              | ┼  | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   |   |          | 95       | Н        | _        |              | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ |
|   |              | 46            | $\vdash$ | -            | -            | $\vdash$   | -            | -        | $\vdash$   | <del>                                     </del> | $\vdash$   |   |          | 96       | $\vdash$ | -        | $\vdash$     | <del>                                     </del> | $\vdash$ | $\vdash$   | $\vdash$ | -        |
|   | $\vdash$     | 47            | -        | $\vdash$     | -            | $\vdash$   | $\vdash$     | $\vdash$ |  | $\vdash$   | -  |   |          | 97       | H        |          | <del> </del> | $\vdash$   | Ι-       | Н  | $\vdash$ | $\vdash$ |
|   |              | 48            | 1        | $\vdash$     |              |  | $\vdash$     | ,        |  | 1  | <del>                                     </del> | 1 |          | 98       | Н        |          |              | $\vdash$   | H        | Н  | $\vdash$ | Н        |
|   |              | 49            | -        | $\vdash$     |              |  | $\vdash$     | $\vdash$ | H  | H  | $\vdash$   | 1 |          | 99       | Н        |          | _            | Т  | ┢        | T  | Т        |          |
|   | <del></del>  | 50            | $t^-$    | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   | ┢  | <del>                                     </del> | 1 |          | 100      | Н        |          |              |  | T        | H  | ┢        | Г        |
|   |              |               |          |              |              |  |              |          |  |  |  |   |          |          |          |          |              |  |          |  |          |          |

| Cla  | aim                             | Date           |  |  |          |          |              |                |          |           |  |
|--|---------------------------------|----------------|--|--|----------|----------|--------------|----------------|----------|-----------|--|
| Final  | Original                        |                |  |  |          |          |              |                |          |           |  |
|  | 101<br>102                      |                | _  |  |          |          |              |                |          |           |  |
|  | 103                             | -              |  | -  |          |          |              | H              | -        | $\exists$ |  |
|  | 104                             | $\vdash$       | -  |  | $\vdash$ |          |              | H              | $\vdash$ | $\dashv$  |  |
|  | 104<br>105                      | $\vdash$       |  |  | -        | $\vdash$ | _            |                | H        |           |  |
|  | 106                             |                | _  |  |          |          |              |                |          | $\equiv$  |  |
|  | 107                             |                |  |  |          |          |              |                |          |           |  |
|  | 108                             |                |  |  |          |          |              |                |          |           |  |
|  | 109<br>110                      |                |  |  |          |          |              |                |          |           |  |
|  | 110                             |                |  |  |          |          |              |                |          |           |  |
|  | 111                             |                |  | _  | L        | _        |              | <u> </u>       | L        |           |  |
|  | 112<br>113                      |                | _  | _  |          | _        |              | _              | <u> </u> |           |  |
|  | 113                             | <u> </u>       | <u> </u>   | _  | ·        | <u> </u> | $\vdash$     | $\vdash$       | $\vdash$ | Н         |  |
|  | 114                             | -              |  | <u> </u>   | -        | -        | $\vdash$     | $\vdash$       | $\vdash$ | $\vdash$  |  |
|  | 114<br>115<br>116               | $\vdash$       | -  | <del> </del>                                     |          | -        |              | H              | H        | $\vdash$  |  |
|  | 117                             | H              | ┝  | $\vdash$   |          | ├        | <del> </del> | -              | -        |           |  |
|  | 117<br>118                      | $\vdash$       | $\vdash$   | ┢╌   |          | -        | -            | -              | $\vdash$ |           |  |
|  | 119                             | $\vdash$       | $\vdash$   | ├─   |          | -        |              | $\vdash$       |          | $\dashv$  |  |
|  | 120                             | -              |  |  |          |          | _            | _              | $\vdash$ |           |  |
|  | 121                             |                |  | 1  | _        | $\vdash$ |              | T              | T        | П         |  |
|  | 120<br>121<br>122               |                |  |  |          |          |              |                |          |           |  |
|  | 123                             |                |  |  |          |          |              |                |          |           |  |
|  | 124                             |                |  |  |          |          |              |                |          |           |  |
|  | 125                             | L.             |  |  | Ľ        | L        |              | <u> </u>       |          | Щ         |  |
|  | 123<br>124<br>125<br>126<br>127 |                |  |  | L        |          | _            |                | _        | Ш         |  |
|  | 127                             | _              |  | _  | <u> </u> |          | <u> </u>     |                | 1        | Ш         |  |
|  | 128<br>129<br>130               | <u> </u>       |  |  | _        |          | ├            | <u> </u>       | _        |           |  |
|  | 129                             | _              |  |  | ├        |          | ├            | <del> </del>   |          | $\vdash$  |  |
|  | 130                             | ⊢              | -  |  | ┢        |          | ├            | <del> </del> — |          | Н         |  |
|  | 131<br>132                      | -              | _  | ├  | ╁╾       |          | -            |                |          | H         |  |
|  | 133                             | -              | -  | ╁  | ├─       |          | -            | -              | -        | H         |  |
|  | 133<br>134                      | ┢              | i i  | _  | ╁        | $\vdash$ |              |                |          |           |  |
|  | 135                             | $\vdash$       | $\vdash$   | T  | $\vdash$ |          | 1            | T              | T        | H         |  |
|  | 136<br>137                      |                |  |  |          |          |              |                |          |           |  |
|  | 137                             |                |  |  |          |          |              |                |          |           |  |
|  | 138                             |                | $\Box$   | 匚  | $\Box$   | $\Box$   | $\Box$       |                | 匚        |           |  |
|  | 139                             |                | _  | <u> </u>   | L_       |          | <u> </u>     | $oxed{oxed}$   | _        |           |  |
|  | 140                             | <b> </b>       | _  | <u> </u>   | ┞        | _        | L            | <u> </u>       | _        | Ш         |  |
| <u> </u>   | 141                             | L              | $\vdash$   | $\vdash$   | -        | _        | $\vdash$     | 1              | $\vdash$ | H         |  |
| <u> </u>   | 142<br>143                      | <del>  ·</del> | $\vdash$   | $\vdash$   | $\vdash$ | -        | $\vdash$     | -              | $\vdash$ | $\vdash$  |  |
| ├─   | 144                             | 1              | $\vdash$   | -  | ╁        |          | ╁            | $\vdash$       | H        | $\vdash$  |  |
| <del> </del>                                     | 145                             | $\vdash$       | ┢  | ├  | ┢        | ⊢        | +            | ╁              | $\vdash$ | $\vdash$  |  |
| <u> </u>   | 146                             | $\vdash$       | ╁  | $\vdash$   | t        | -        | $\vdash$     | $\vdash$       | 1        | $\vdash$  |  |
| <del>                                     </del> | 147                             | $\vdash$       | <del>                                     </del> | <del>                                     </del> | 1        |          | $\vdash$     | $\vdash$       | _        |           |  |
|  | 148                             | $\vdash$       | T  | ١.   | T        | Τ        | T            | ✝              |          | $\vdash$  |  |
|  | 149                             |                |  | 1  | Г        |          |              |                | 1        |           |  |
|  | 150                             | L              |  | L  |          |          |              | L              |          |           |  |
|  |                                 |                |  |  |          |          |              |                | •        |           |  |